

# INTERNATIONAL SEARCH REPORT

International Application No

EP/US2004/039084

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H05K7/10 H01R13/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01R G01R H05K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/023140 A1 (SAIJO TAKASHI ET AL) 20 September 2001 (2001-09-20) abstract page 1, paragraph 12-15 page 3, paragraph 47-59; figures 1,3,4,6A-D -----	1-15
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 13, 30 November 1998 (1998-11-30) -& JP 10 214649 A (YOKOWO CO LTD), 11 August 1998 (1998-08-11) abstract; figures 1,2,11 ----- -/-	1-7,11, 12

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

18 March 2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>PATENT ABSTRACTS OF JAPAN      vol. 2000, no. 25,      12 April 2001 (2001-04-12)      -&amp; JP 2001 208793 A (NEC YAMAGUCHI LTD),      3 August 2001 (2001-08-03)      abstract; figures 1a-c,3</p> <p>-----</p>	1,5-7
A	<p>EP 1 172 658 A (INTERCONNECT DEVICES INC)      16 January 2002 (2002-01-16)      abstract      column 3, line 46 - column 4, line 44;      figures 4-7</p> <p>-----</p>	1-15

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## Information on patent family members

International Application No  
PCT/US2004/039084

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 2001023140	A1 20-09-2001	JP 2001267029	A	28-09-2001
JP 10214649	A 11-08-1998	None		
JP 2001208793	A 03-08-2001	None		
EP 1172658	A 16-01-2002	US EP 6424166 B1 1172658 A2		23-07-2002 16-01-2002